

CLAIMS

What is claimed is:

- 5 1. A net system comprising a frame having at least two opposing frame members and a net extending therebetween;

said net being made from a material of cords of a water soluble yarn capable of high shrinkage rates when wetted with water and dried; and

10 means provided along one of said frame sides for causing tensioning of localized regions in said net.

- 15 2. A system as defined in claim 1 further characterized by said net being comprised of weft members and perpendicularly extending warp members connected to a border member which intersect together with one another at intersections or nodes, and wherein one of said border, weft and warp members is made in whole or in part from a shrinkable material when wetted and dried.

- 20 3. A system as defined in claim 1 further characterized by said tensioning means includes a connecting rod extending along one of said frame members and threaded between the border one the weft and warp members.

- 25 4. A system as defined in claim 2 further characterized in that said frame includes a plurality of

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adjustment bolts which receive a border member of said net.

5 5. A system as defined in claim 2 further characterized in that the net is installed on a frame prior to shrinkage.

10 6. A system as defined in claim 2 further characterized in that a locating cable is provided and is threaded through the weft and warp members immediately adjacent the border member and at the corners of the frame is disposed a single eyebolt which is threaded to the frame at a forty-five degree angle.

15 7. A system as defined in claim 2 further characterized in that said net includes a splice between said border and a weft or warp member, said splice includes a twisted warp or weft member and a twisted cord border member which weft or warp member is passed through one strand of the border member separating the remaining members in the border member and then is tucked under two
20 or more strands of itself and then wetted and allowed to dry.

25 8. A system as defined in claim 2 further characterized in that said net includes node at the intersection of weft and warp members wherein the weft member passes through warp member and the warp member passes through weft member and then wetted and allowed to dry.

30 9. A system as defined in claim 2 further characterized in that said warp or weft members have an eyelet formed by the end of the weft or warp member piercing back on itself through one cord of the weft or

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warp member after forming a loop and then again piercing back on itself in an opposite 180° direction and wetted and allowed to dry.

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10. A system as defined in claim 2 further characterized in that said net includes a splice of a braided rope made between two end to end pieces, wherein one rope is passed through the other rope and the other rope passes through the one rope and thereafter the distal end of the one rope is turned 90° and passes through the side of the other rope while distal end of the other rope is turned 90° and passes through the side of the one rope braided rope, the two ropes are locked together once wetted and dried.

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11. A system as defined in claim 2 further characterized in that said net includes the warp or weft members each having a loop at one end thereof created by separating the end cords thereof and then passed back the separated cords back in an over and under fashion into the double back portion of the rope member and locking the doubled back portion by wetting and then drying.

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12. A system as defined in claim 2 further characterized in that said net includes an end to end splice of braided rope wherein one rope member is passed between one cord member of the other rope and the other rope is passed under one cord member of the one rope and the process is repeated linearly one or more times with both ends until no ends of the cord members are left dangling, the passing of rope members is locked by wetting and then drying of the one and the other rope members.

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method of tensioning a net to a frame between two opposing frame members and the net between comprising the steps of:

providing said net having a border of said net from material of cords of soluble yarn capable of high shrinkage when wetted with water and dried; and

sizing the net larger than said frame; mounting the net onto the frame such that the border is located outside of the frame; wetting the net and allowing it to dry such that the net shrinks around the frame to play otherwise existing prior to step.

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14. A net comprising:

a plurality of weft members and perpendicularly
extending warp members connected to a border
member which intersect together with one
another at intersections;

one of said border, weft and warp members is
made in whole or in part from a shrinkable
material capable of high shrinkage rates when
wetted with water and dried;

means provided along one of said frame sides
for causing tensioning of localized regions in
said net after said net is wetted with water;
and.

wherein said material being used to lock
connections between said weft and warp members
and/or said border member.

15. A net as defined in claim 14 further
characterized in that said net includes a splice between
said border and a weft or warp member, said splice
includes a twisted warp or weft member and a twisted cord
border member which weft or warp member is passed through
one strand of the border member separating the remaining
members in the border member and then is tucked under two
or more strands of itself and then wetted and allowed to
dry.

16. A net as defined in claim 14, further characterized in that said net includes node at the intersection of weft and warp members wherein the weft member passes through warp member and the warp member passes through weft member and then wetted and allowed to dry.

17. A net as defined in claim 14 further characterized in that said warp or weft members have an eyelet formed by the end of the weft or warp member piercing back on itself through one cord of the weft or warp member after forming a loop and then again piercing back on itself in an opposite 180° direction and wetted and allowed to dry.

18. A net as defined in claim 14 further characterized in that said net includes a splice of a braided rope made between two end to end pieces, wherein one rope is passed through the other rope and the other rope passes through the one rope and thereafter the distal end of the one rope is turned 90° and passes through the side of the other rope while distal end of the other rope is turned 90° and passes through the side of the one rope braid rope, the two ropes are locked together once wetted and dried.

19. A net as defined in claim 14 further characterized in that said net includes the warp or weft members each having a loop at one end thereof created by separating the end cords thereof and then passed back the separated cords back in an over and under fashion into the double back portion of the rope member and locking the doubled back portion by wetting and then drying.

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20. A net as defined in claim 14 further characterized in that said net includes an end to end splice of braided rope wherein one rope member is passed between one cord member of the other rope and the other rope is passed under one cord member of the one rope and the process is repeated linearly one or more times with both ends until no ends of the cord members are left dangling, the passing of rope members is locked by wetting and then drying of the one and the other rope members.

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